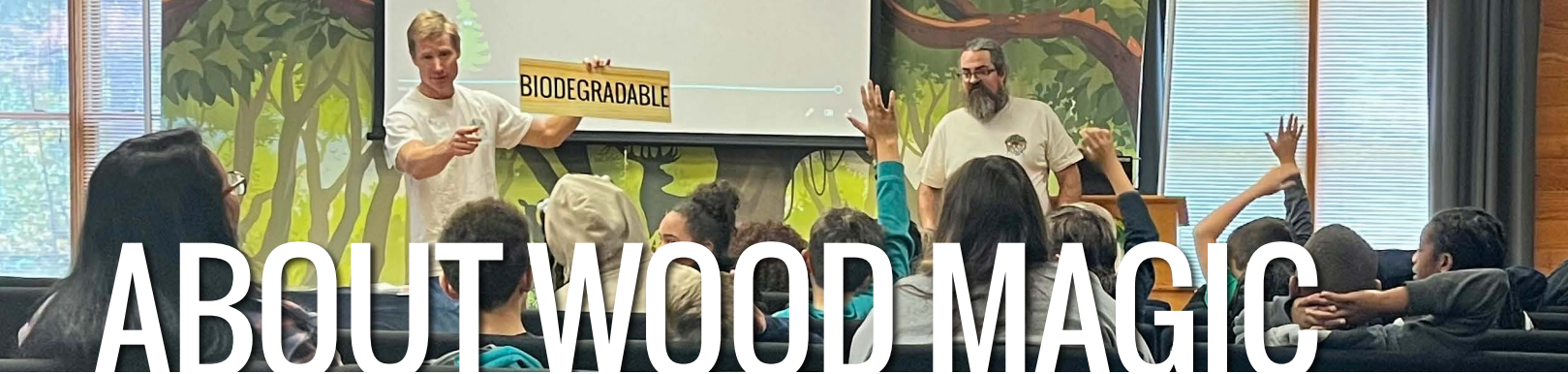


WOOD MAGIC

FOREST FAIR: 2022 ANNUAL REPORT





Wood Magic Forest Fair is a free, fun, forestry-fact-filled field trip and festival for fifth-graders. A four-hour program of forestry-related educational experiences and demonstrations, the fair combines hands-on activities with visually engaging presentations to teach children about the importance of forest lands to wildlife, the economy and our daily quality of life. The program is designed to enable fifth-graders from across the state to:

- Demonstrate awareness that our society depends on forests for many products we use every day and that these products improve our quality of life.
- Explain the difference between renewable and non-renewable natural resources and apply the reduce-reuse-recycle principles of conservation.
- Recognize that many different management techniques are required to insure long-term sustainability of our forests.
- Describe the many environmental, social, and economic benefits of our forests.

These goals are accomplished through a variety of 25-minute hands-on activities led by volunteers from numerous organizations. For a pictorial description of each of the six learning stations, please visit the Wood Magic web site at: www.trees.sc.gov/wmfair.htm.

HISTORY

The South Carolina Wood Magic Forest Fair was first held Oct. 18-22, 1999 at Harbison State Forest in Columbia. The program has been an extreme success, with over 40,880 participants in the 22 years since it began. Demand for the program has always exceeded the capacity since its inception. In 2021, a Wood Magic Forest Fair virtual field trip experience was developed for schools that cannot attend the program in-person. Teachers can now download an educational packet full of activities, learning station videos, and resources to lead lessons around the sustainable management of forest resources and the role of forests and forest products in our daily lives.

This year's Fair was scheduled at three locations: T. Ed Garrison Arena in Pendleton, Harbison State Forest in Columbia, and Sewee Visitor and Environmental Education Center in Awendaw. Past programs have also been held at the Piedmont Forestry Center in Tamasee, Lynches River County Park in Florence, S.C. State University's Camp Daniels, and Sewee Environmental Education Center on the coast, as well as in-school programs in the Upstate during the 2003 school year.

The 2022 WMFF was coordinated by the S.C. Forestry Commission, and financed through donations and grants. Approximately 175 volunteers from the forestry community and other organizations came together this year to make this forestry education program successful.



We really love the trip, and it is clear the students do as well. They gain so much great information and really enjoy the activities.

– Melissa George
Centerville Elementary



PARTICIPATION

Each spring, every public and private school with a fifth grade that is registered with the State Board of Education is sent an invitation and application for the Wood Magic Forest Fair. Applications are scheduled during the summer on a first-come-first-served basis, with some consideration given to schools that have never attended, as well as previous records of attendance and participation.

PARTICIPATION FOR 2022

Location	Applications Received	Classes Applied	Classes Attending	Children Attending	Teachers & Other Adults	Total Participants
T. Ed Garrison	16	56	25	515	91	606
Harbison	37	130	33	678	148	826
Sewee	16	48	25	523	89	612
Virtual	NA	NA	4 Schools	420	4	424
TOTALS:	69	234	87	2,136	332	2,468

PARTICIPATION SINCE 1999

Location	Applications Received	Classes Attending	Children Attending	Teachers & Other Adults	Total Participants
Piedmont (2004-2010, 2012, 2014-16, 2018)	201	281	5,456	889	6,345
Upstate (in-school, 2003)	92	32	744	37	781
SC Botanical Garden (2002, 2017, 2019)	121	88	1,779	394	2,173
Camp Daniels (2001)	43	43	786	172	958
Harbison (1999-2011, 2013-19, 2022)	1,478	780	13,420	2,665	16,085
Sewee (2000-2010, 2013, 2017, 2022)	505	401	7,797	1,534	9,331
Hobcaw (2012, 2014, 2016, 2019)	63	100	1,838	292	2,130
Lynches River (2015, 2018)	26	68	860	173	1,033
T. Ed Garrison (2022)	16	25	515	91	606
Virtual	NA	4 Schools	420	4	424
TOTALS:	2,529	1,719	33,100	6,160	41,304

*NOTE: In 2004 an improved system of taking applications only from schools, not individual teachers, began reducing the number of applications received. In 2010 applications were received for the Piedmont, Sewee and Harbison events, but only the Harbison event was held. In 2015 the Harbison event was canceled because of historic flooding in the Midlands. All events in 2020 and 2021 were canceled because of the COVID-19 pandemic.



ATTENDING SCHOOLS

T. ED GARRISON ARENA

As-Sabeel Academy..... Greer
Bob Jones Academy Greenville
Camperdown Academy Greenville
Forest Acres Elementary Easley

Keowee Elementary Seneca
Northside Elementary Seneca
Spearman Elementary Piedmont

HARBISON STATE FOREST

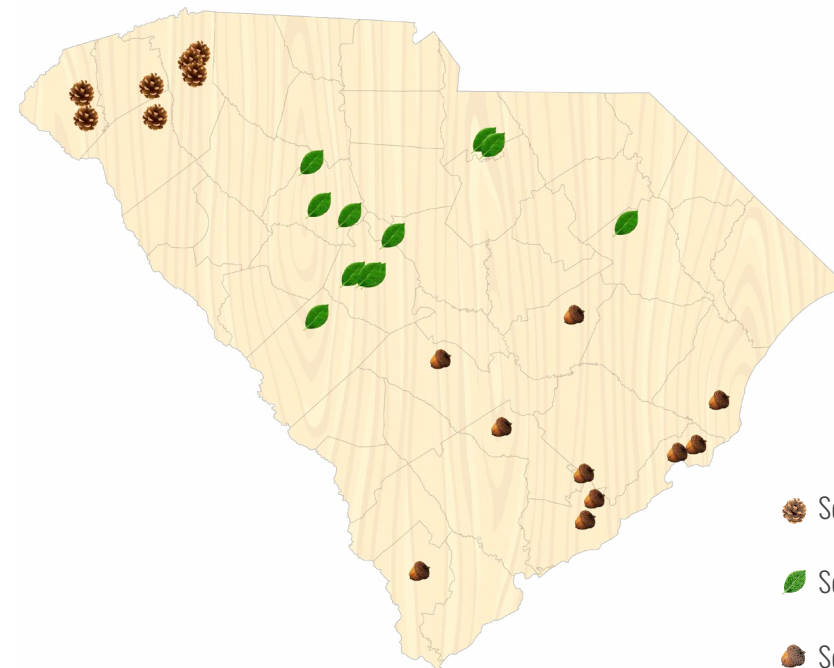
Centerville Elementary Gilbert
Dutch Fork Elementary..... Irmo
Heath Springs Elementary..... Heath Springs
Heritage Christian Academy Lexington
Kershaw Elementary..... Kershaw
The Kings Academy Florence

Little Mountain Elementary Little Mountain
Newberry Academy Newberry
Pleasant Hill Elementary Lexington
Tall Pines STEM Academy..... Aiken
Whitmire Elementary Whitmire

SEWEE VISITOR & ENVIRONMENTAL EDUCATION CENTER

AC Corcoran Elementary North Charleston
Angel Oak Elementary Charleston
Blessed Sacrament Catholic..... Charleston
Cape Romain Environ. Ed. Charter McClellanville
Dorchester Academy..... St. George

Manning Elementary Manning
Maryville Elementary Georgetown
Orangeburg Preparatory..... Orangeburg
Saint James Santee Elementary McClellanville
Step of Faith Christian Academy Ridgeland



-  Schools attending at T. Ed Garrison Arena
-  Schools attending at Harbison State Forest
-  Schools attending at Sewee Visitor & Environmental Education Center



“Everything was hands-on, and stations moved quickly, kept students focused and were engaging! I loved the real-world connections and introductions to jobs students didn’t know existed. Best field trip in my 16 years of teaching!”

– Michelle McWhorter
Forest Acres Elementary

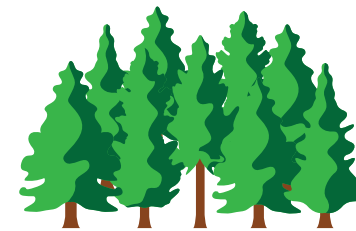
KNOWLEDGE GAINED

Every year teachers are asked to administer a pre-test and a post-test for the children who attend Wood Magic. The following highlights of those test measures are a testament to the effectiveness of the program.

**+28
PERCENTAGE
POINTS**

Students showed a significant gain in knowledge about forests in all of the major categories measured.

Overall, the students’ scores increased from 55 percent on the pre-test to 83 percent on the post-test.



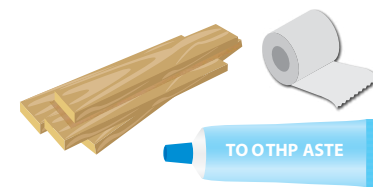
Before the program, only 46% of the students understood that the U.S. has more forests today than it did 100 years ago. 79% knew this to be the case afterward.



86% of the students now recognize that more trees are planted each year in South Carolina than are harvested.



Before attending, 51% of the students thought that prescribed (controlled) fires were harmful to forests and wildlife habitat. Afterward, 91% of the students recognized that prescribed (controlled) fires are used to improve forests and wildlife habitat.



Beforehand, only 33% of the students thought that using trees for the products we need is an environmentally friendly thing to do. After participating in this program, 81% now recognize the environmental benefits of forests and believe this to be true.



88% of the students now recognize that trees are a renewable natural resource.



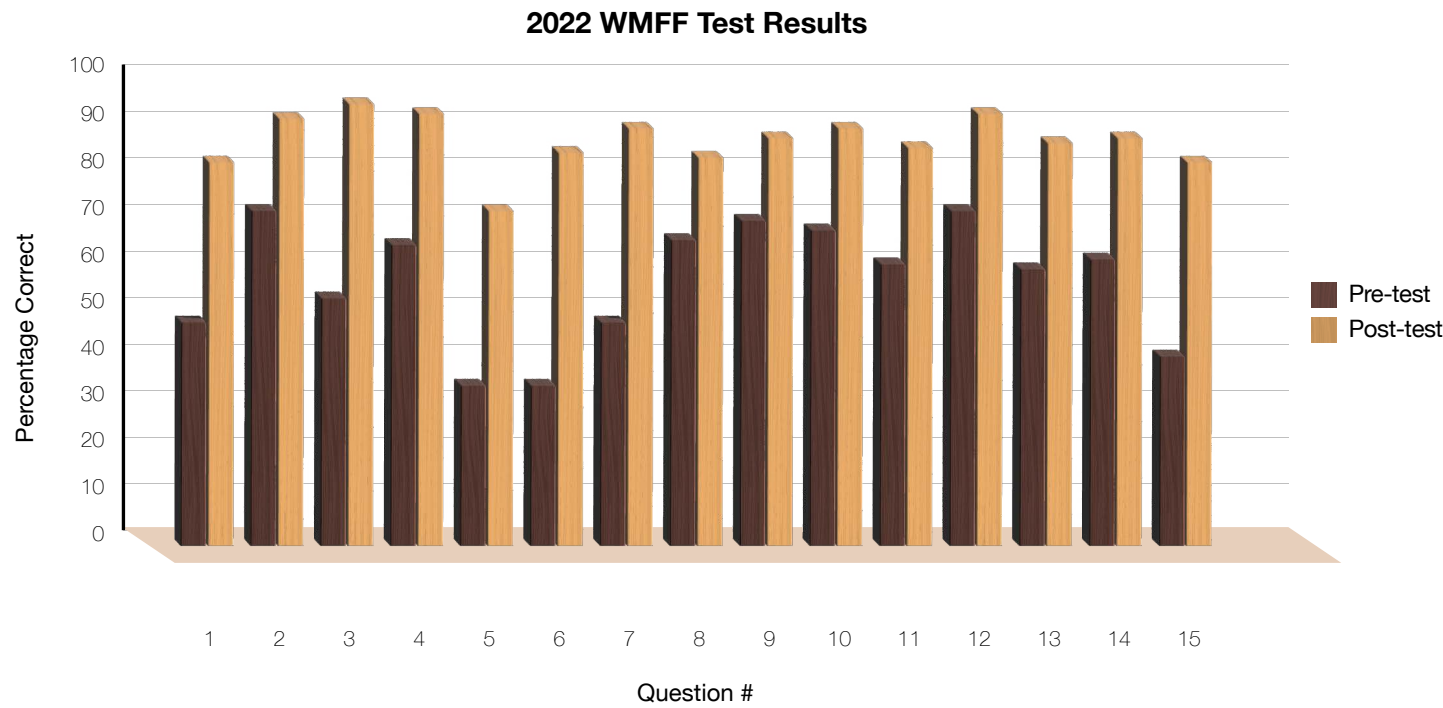
After attending the fair, 69% of the students understood the main reason to recycle paper is to save landfill space and reduce waste. Only 33% understood this beforehand.



TEST RESULTS

Question	Pre-Test	Post-Test	Emphasis Of Test Question
1	46%	79%	There are more forests today than 100 years ago.
2	69%	88%	Trees are a renewable natural resource.
3	51%	91%	Prescribed fire can be used to improve forests and wildlife habitat.
4	62%	89%	Every part of a log is used when brought into a sawmill. There is no waste.
5	33%	69%	The main reason to recycle paper is to save landfill space and reduce waste.
6	33%	81%	Growing and harvesting trees to make products for our everyday use is environmentally friendly.
7	46%	86%	In SC there are more trees planted than are harvested each year.
8	63%	80%	Forests clean the air and water we use.
9	67%	84%	Oil and gas are non-renewable natural resources.
10	65%	86%	Definition of: Natural Resources
11	58%	82%	Definition of: Renewable
12	69%	89%	Definition of: Non-Renewable
13	57%	83%	Definition of: Biodegradable
14	59%	84%	Definition of: Recycle
15	39%	79%	Student can list at least 10 items that they use daily that come from wood.

* 1,333 student pre-tests were measured against 623 post-tests returned.



BUDGET

INCOME	
2022 Carry-over funds.....	\$39,748.43
SC SFI Implementation Committee Funds	\$10,500.00
International Paper Foundation Grant	\$5,000.00
Rayonier	\$2,500.00
Palmetto Agribusiness Council	\$2,500.00
Georgia-Pacific, LLC	\$1,000.00
SC Tree Farm Committee	\$750.00
Total Income	\$61,998.43
EXPENSES	
Food.....	\$7,201.93
Tent/Chair/Table/Toilet/Facility Rentals	\$5,350.16
Travel/Lodging	\$3,407.82
Office supplies, Misc.	\$1,332.19
Postage/Mail Service/Publicity	\$795.11
Insurance	\$0
T-shirts	\$0
Total Expenses	\$18,097.20
BALANCE	\$43,901.23
IN-KIND CONTRIBUTION	\$97,785.58

Funds for the 2022 Wood Magic Forest Fair were provided through grants from the following organizations:



THANK YOU!

Thank you for taking time from your time to teach us. I LOVE the magic show at the end and I know you magic trick. :) that was the best time ever.

Love,
Alana

Thank you for letting us go to an amazing field trip. We had so much fun! Thank you for the bags.



Thank you for Volenteer for wood magic. My favorite was fire and popcorn.

From Kalea

Thank you for letting us come. I enjoyed everything. My favorite part was the

Just everything
THANK
YOU!

from: Jada

Dear Wood Magic Team,

Thank you so much for all the awesome activities and the bag of goodies. I am excited to use them with my students. I really enjoyed the way you demonstrated all the things connected to the woods.

Mrs McLellan,
DFES

Thank you,

Thank you for Teaching us Wood, Paper and that The Pond we loved it The BS ride and how we loved it and waaaaa and Bach



Thank you



CONTRIBUTORS

South Carolina’s Wood Magic Forest Fair is jointly sponsored by the Forestry Association of SC and SC Forestry Commission. Special thanks to the following organizations that provided monetary support of \$3,000 or greater.

SC SFI Implementation Committee	Palmetto Agribusiness Council
SC Tree Farm	International Paper Foundation
Weyerhaeuser	Rayonier

Special thanks to the following organizations that provided financial support and/or in-kind services (personnel, equipment, and supplies).

Anderson Soil and Water Conservation District	Roy’s Wood Products
Belle W. Baruch Foundation	SC Department of Natural Resources
Blue Ridge Electric Cooperative	SC Forestry Commission
Boise Cascade Wood Products	SC Green Steps Schools
Calhoun Soil and Water Conservation District	SC House of Representatives
Cape Romain National Wildlife Refuge	SC Master Naturalist
Center For Heirs’ Property Preservation	SC Timber Producers Association
Central Carolina Technical College	Sewee Visitor and Environmental Education Center
Charles Ingram Lumber	Trenton Correctional - SC Dept. of Corrections
Clemson University	True North Forestry
Clemson University Cooperative Extension	US Fish & Wildlife Service
Collum’s Lumber Products	USDA Forest Service
Dobbs Equipment	USC School of Medicine
Domtar Paper Company	WestRock
Foothills Forest Products	White Oak Forest Management, Inc
Forestry Association of SC	
Georgia-Pacific	
Interfor	
International Paper	
Joe Adair Outdoor Education Center	
Lexington Soil and Water Conservation District	
Natural Inquirer	
Newberry Soil and Water Conservation District	
Pactiv Evergreen	
Palmetto Timber Inventory Specialists	
Resource Management Service	
Richland Soil and Water Conservation District	



STAFF

The success of South Carolina’s Wood Magic Forest Fair can be attributed to the dedication, technical competence and hard work of the 175 volunteers:

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Randy McCoy USDA Forest Service
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David Morrah SC Forestry Commission
D. JaSal Morris..... USDA Forest Service
Stephanie Morton..... SC Forestry Commission
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Zadok Moss SC Department of Natural Resources
Buck Newcomb..... SC Forestry Commission
Herb Nicholson..... Domtar Paper Company LLC
Joey Nicoll..... Boise Cascade
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Austin Phillips..... SC Forestry Commission
Brad Phillips SC Forestry Commission
Anaston Porter Anderson Co. Soil & Water Conserv. Dist.
Cameron Puckhaber..... Palmetto Timber Inventory Specialists
Matthew Quattlebaum.... Lexington Co. Soil & Water Conserv. Dist.
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Jackson Williams Clemson University
Nancy Williams..... Volunteer
Doug Wood SC Forestry Commission
Jonathan York..... SC Forestry Commission

CONTRIBUTIONS OF PERSONNEL

Contributor	# Personnel	% Personnel	# Man Hours	% Man Hours
SC Forestry Commission	78	45	1437	55%
Federal Government	23	13	340	13%
Other Government Agencies	33	19	380	14%
Private Sector	33	19	378	14%
Volunteers	8	5	96	4%
TOTALS:	175	NA	2631	NA

STEERING COMMITTEE

The Wood Magic Forest Fair Steering Committee is made up of volunteers from the forest industry, state and federal agencies, and private foundations who help oversee and organize the program.

Pam Baltimore US Forest Service	Patricia Midgett..... US Fish & Wildlife Service
Ryan Bean..... Clemson Extension	Trent Moore (Chair) Interfor – Georgetown Division
George Chastain Belle W. Baruch Foundation	Emily Oakman..... Forestry Association of SC
Mallory Dailey Clemson Extension	Matt Schnabel SC Forestry Commission
Beth Foley..... SC Forestry Commission	Eric Smith WestRock
Russell Hubright SC Forestry Commission	John Thurmes True North Forestry
Crad Jaynes SC Timber Producers Association	

The activities were amazing, and my students were so excited and very engaged! Even when taking the post-test, they were saying, ‘We learned about this on the field trip!’

– Brigitte Ybarra
Dutch Fork Elementary



